

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,459,167 B1  
APPLICATION NO. : 09/626026  
DATED : December 2, 2008  
INVENTOR(S) : Sengupta et al.

Page 1 of 4

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page

Item (54), and Column 1, Line 2, delete "METHODS" and insert in place thereof  
--METHOD--.

Item (56), **References Cited**, under OTHER PUBLICATIONS, Line 6, delete "Polyuretyhane" and  
insert in place thereof --Polyurethane--.

Item (57) ABSTRACT, Line 10, delete "algae fungi" and insert in place thereof --algae, fungi--.

Column 2

Line 45, delete "Zerewitnoff" and insert in place thereof --Zerewitinoff--.

Column 4

Line 23, delete "group" and insert in place thereof --groups--.

Line 28, delete "or" and insert in place thereof --of--.

Column 7

Line 23, delete "Final" and insert in place thereof --final--.

Lines 40-41, delete "1,4-diisocyanatocy-clohexame," and insert in place thereof  
--1,4-diisocyanatocyclohexane,--.

Line 46, delete " $\alpha, \alpha, \alpha', \alpha$ " and insert in place thereof --  $\alpha, \alpha, \alpha', \alpha'$ --.

Column 8

Line 36, delete "isophalic" and insert in place thereof --isophthalic--.

Column 9

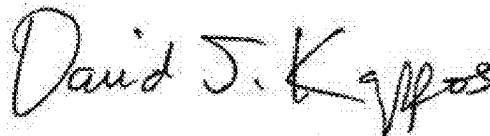
Line 1, delete " $\text{CH}_2\text{CH}_2\text{N}(\text{CH}_2\text{CH}_2\text{X})$ ," and insert in place thereof -- $\text{CH}_2\text{CH}_2\text{N}(\text{CH}_2\text{CH}_2\text{X})_2$ --.

Line 5, delete " $\text{C}(\text{O})_L\text{R}_4$ " and insert in place thereof -- $\text{C}(\text{O})_L\text{R}_4$ --.

Column 10

Lines 23-24, delete "1,4 butylene" and insert in place thereof --1,4-butylene--.

Signed and Sealed this  
Sixteenth Day of October, 2012



David J. Kappos  
Director of the United States Patent and Trademark Office

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Line 34, delete “acylate.” and insert in place thereof --acrylate.--.

Line 35-36, delete “polyisocyanate” and insert in place thereof --polyisocyanate--.

Column 11

Line 10, delete “N,N',N''trimethyl” and insert in place thereof --N,N',N''-trimethyl--.

Lines 23-24, delete “alkldimethylammoniumhydroxypropylpropylether” and insert in place thereof -alkyldimethylammoniumhydroxypropylpropylether--.

Lines 26-27, delete “(1,1 dipropyleate,2,2 dihydroxypropyl 2methyl” and insert in place thereof --(1,1-dipropyleate, 2,2-dihydroxypropyl-2-methyl--.

Line 55, delete “compounds When” and insert in place thereof --compounds. When--.

Column 12

Line 13, delete “hihydroxy” and insert in place thereof --dihydroxy--.

Line 17, delete “useful” and insert in place thereof --useful.--.

Line 61, delete “dilaurate,” and insert in place thereof --dilaurate,--.

Line 62, delete “diocyltin” and insert in place thereof --dioctyltin--.

Column 14

Line 48, delete “p=0-6” and insert in place thereof --p=0-6.--.

Lines 65-66, delete “6 bromohexanol, 8 bromooctanol,” and insert in place thereof --6-bromohexanol, 8-bromooctanol,--.

Column 15

Line 2, delete “stearamidoproyl” and insert in place thereof --Stearamidoproyl--.

Column 16

Line 11, delete “alkylnene” and insert in place thereof --alkylene--.

Line 30, delete “lauroylmethacoryl” and insert in place thereof --lauroylmethacroyl--.

Line 34, delete “C1-4” and insert in place thereof --C<sub>1-4</sub>--.

Column 17

Line 4, delete “thereof,” and insert in place thereof --thereof;--.

Line 12, delete “Uniroyl” and insert in place thereof --Uniroyal--.

Line 12, delete “out door” and insert in place thereof --outdoor--.

Line 23, delete “acylate” and insert in place thereof --acrylate--.

Column 18

Line 12, delete “2.2.2octane),” and insert in place thereof --2.2.2 octane),--.

Line 35, delete “Microfluidics” and insert in place thereof --Microfluidics--.

Column 19

Line 3, delete “indwelling” and insert in place thereof --in-dwelling--.

Line 51, delete “Ketone” and insert in place thereof --Ketone.--.

Line 64, delete “acrylate” and insert in place thereof --acrylate.--.

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Column 20

Line 4, delete “adipic” and insert in place thereof --adipic--.

Line 5, delete “PRIPPLAST” and insert in place thereof --PRIPLAST--.

Line 29, delete “Denkok. K.,” and insert in place thereof --Denko K.K.,--.

Line 31, delete “Products” and insert in place thereof --Products.--.

Line 33, delete “Carbide” and insert in place thereof --Carbide.--.

Column 21

Lines 23-24, delete “antimicroibal” and insert in place thereof --antimicrobial--.

Line 33, delete “10 g g” and insert in place thereof --10 g--.

Line 45, delete “alkanolamine” and insert in place thereof --alkanolamine.--.

Column 22

Line 3, delete “antimicroibal” and insert in place thereof --antimicrobial--.

Column 23

Line 7, delete “film;” and insert in place thereof --films.--.

Line 42, delete “Priplast3196,” and insert in place thereof --Priplast 3196,--.

Lines 59-60, delete “antimicroibal” and insert in place thereof --antimicrobial--.

Column 24

Line 1, delete “antimicroibal” and insert in place thereof --antimicrobial--.

Line 5, delete “(Inston” and insert in place thereof --(Instron--.

Line 49, delete “acylate” and insert in place thereof --acrylate--.

Line 64, delete “Timethylol” and insert in place thereof --Trimethylol--.

Column 25

Line 10, delete “IncromineSB” and insert in place thereof --Incromine SB--.

Line 16, delete “rotor-stater” and insert in place thereof --rotor-stator--.

Line 24, delete “antimicroibal” and insert in place thereof --antimicrobial--.

Column 26

Line 62, delete “groups(” and insert in place thereof --groups (--.

Column 27

Line 11, delete “Dajec” and insert in place thereof --Dajac--.

Line 22, delete “N,N-dimethyl N-hexadecyl-N ethyl” and insert in place thereof --N,N-dimethyl-N-hexadecyl-N-ethyl--.

Line 43, delete “antimicroibal” and insert in place thereof --antimicrobial--.

**CERTIFICATE OF CORRECTION (continued)**

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Column 28

Line 1, delete “moeities” and insert in place thereof --moieties--.

Line 6, delete “antimicroibal” and insert in place thereof --antimicrobial--.

Line 35, delete “antimicroibal” and insert in place thereof --antimicrobial--.

Column 30

Lines 51-52, delete “lauroylmethacoryl” and insert in place thereof --lauroylmethacroyl--.